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[	ANSMITTAL LETTER TO DESIGNATED/ELECTED CERNING A SUBMISSION	ATTORNEY'S DOCKET NUMBER 1/1549 U.S. APPLICATION NO. (If known, see 37 CFR 1.5)							
	TIONAL APPLICATION NO.	INTERNATIONAL FILING DATE	To be assigned PRIORITY DATE CLAIMED						
PCT/EP/	2004/007363	July 6, 2004	July 9, 2003						
TITLE OF	TITLE OF INVENTION Dosing Device and Method of Dosing								
APPLICAN	APPLICANT(S) FOR DO/EO/US Rolf-Stefan BRICKL and Juergen SCHRAIVOGEL								
Applicant	Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:								
1.	This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.								
2.	This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.								
	This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.								
4. 🔲 -	The US has been elected (Article 31).								
5.	A copy of the International Application as filed (35 U.S.C. 371(c)(2))								
	a. is attached hereto (required only if not communicated by the International Bureau).								
	b. 🖊 has been communicated by the International Bureau.								
	c. is not required, as the application was filed in the United States Receiving Office (RO/US).								
6.	An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).								
	a. is attached hereto.								
	b. has been previously submitted under 35 U.S.C. 154(d)(4).								
7.	Amendments to the claims of the Inte	ernational Application under PCT Article 19 (	(35 U.S.C. 371(c)(3))						
	a. are attached hereto (required only if not communicated by the International Bureau).								
	b. have been communicated by the International Bureau.								
	c. have not been made; how	ever, the time limit for making such amendn	nents has NOT expired.						
	d. have not been made and will not be made.								
8.	An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).								
9.	An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).								
10.	An English language translation of th Article 36 (35 U.S.C. 371(c)(5)).	e annexes of the International Preliminary E	xamination Report under PCT						
Items	11 to 20 below concern document(s	s) or information included:							
11.	An Information Disclosure Statement	under 37 CFR 1.97 and 1.98.							
12.	An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.								
13. 🔽	A preliminary amendment.								
14.	An Application Data Sheet under 37	CFR 1.76.							
15.	A substitute specification.								
16. 🔲	A power of attorney and/or change of address letter.								
17.	A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.								
18.	A second copy of the published International Application under 35 U.S.C. 154(d)(4).								
19.	A second copy of the English langua	ge translation of the international application	under 35 U.S.C. 154(d)(4).						

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. Page 1 of 3

PTO-1390 (Rev. 07-2005)
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20. Other items or information:  The following fees have been submitted  21.	U.S. APPLICATION NO. (if known, see 37 CFR 1.5)  To be assigned			PCT/EP/2004/007		ATTORNEY'S DOCKET NUMBER 1/1549			
21.	20. Other items or information:								
21.									
Examination fee (37 CFR 1.492(c))	The follo	wing fees have b	een submitted				PTO USE ONLY		
If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)	21. A Basic national fee (37 CFR 1.492(a))					\$ 300.00			
NEADUS indicates all claims satisfy provisions of PCT Article 33(1)-(4)	22. 🔽 Exam	ination fee (37 CF	R 1.492(c))		-				
If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)	by IPEA/l	JS indicates all cla	\$ 200.00						
Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)).  The fee is \$250 for each additional 50 sheets of paper or fraction thereof.  Total Sheets Extra Sheets Number of each additional 50 or fraction thereof.  Total Sheets Extra Sheets Number of each additional 50 or fraction thereof.  Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).  CLAIMS NUMBER FILED NUMBER EXTRA RATE \$  Total claims 16 - 20 = 0	If the written opini IPEA/US Search fee (37 CF Internatio International Sear previously	on of the ISA/US indicates all claim FR 1.445(a)(2)) ha nal Searching Auton Report prepare communicated to	\$ 500.00						
Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)).  The fee is \$250 for each additional 50 sheets of paper or fraction thereof.  Total Sheets  Extra Sheets  Number of each additional 50 or fraction thereof.  PATE  10	-	TOTAL OF 21, 22	1000.00						
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration affer the date of commencement of the national stage (37 CFR 1.492(h)).   Substituting any of the search fee, examination fee, or the oath or declaration affer the date of commencement of the national stage (37 CFR 1.492(h)).   Substituting any of the search fee, examination fee, or the oath or declaration affer the date of commencement of the national stage (37 CFR 1.492(h)).   Substituting any of the search fee, examination fee, or the oath or declaration affer the date of commencement of the national stage (37 CFR 1.492(h)).   Substituting any of the search fee, examination fee, or the oath or declaration affer the date of commencement of the national stage (37 CFR 1.492(h)).   Substituting any of the search fee, examination fee, or the oath or declaration affer the date of commencement of the national stage (37 CFR 1.492(h)).   Substituting any of the search fee, examination fee, or the oath or declaration affer the date of commencement of the national stage (37 CFR 1.492(h)).   Substituting any of the search of the national stage (37 CFR 1.492(h)).   Substituting any of the search of the national stage (37 CFR 1.492(h)).   Substituting any of the search of the national stage (37 CFR 1.492(h)).   Substituting any of the search of the national stage (37 CFR 1.492(h)).   Substituting any of the search of the national stage (37 CFR 1.492(h)).   Substituting any of the search of the national stage (37 CFR 1.492(h)).   Substituting any of the search of the national stage (37 CFR 1.492(h)).   Substituting any of the search of the national stage (37 CFR 1.492(h)).   Substituting any of the search of the national stage (37 CFR 1.492(h)).   Substituting any of the search of the national stage (37 CFR 1.492(h)).   Substituting any of the search of the national stage (37 CFR 1.492(h)).   Substituting any of the search of the national stage (37 CFR 1.492(h)).   Substituting any of the search of the national stage (3	Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)).								
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commercement of the national stage (37 CFR 1.492(h)).  CLAIMS NUMBER FILED NUMBER EXTRA RATE  Total claims 16 - 20 = 0	Total Sheets	Extra Sheets			RATE				
Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.  Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).  Total NATIONAL FEE S ENCLOSED = \$  Amount to be refunded: \$  Amount to be refunded: \$  130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00    130.00	25 <sub>- 100</sub> =	25 <sub>-100</sub> = 0 /50 = 0 x \$250		x \$250	\$	l			
Total claims 16 - 20 = 0 x \$50 \$  Independent claims 3 - 3 = 0 x \$200 \$  MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$360 \$  TOTAL OF ABOVE CALCULATIONS = \$  Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.  SUBTOTAL = \$1130.00  Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).  TOTAL NATIONAL FEE = \$1130.00  Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + TOTAL FEES ENCLOSED = \$  Amount to be refunded: \$130.00			\$ 130.00						
Independent claims 3 - 3 = 0 x \$200 \$  MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$360 \$  TOTAL OF ABOVE CALCULATIONS = \$  Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.  Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).  TOTAL NATIONAL FEE = \$1130.00  Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + Amount to be refunded:  **TOTAL FEES ENCLOSED = \$  Amount to be refunded: \$1130.00	CLAIMS	NUMB	ER FILED	NUMBER EXTRA	RATE	\$			
MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$360 \$  TOTAL OF ABOVE CALCULATIONS = \$  Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.  SUBTOTAL = \$1130.00 \$  Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).  TOTAL NATIONAL FEE = \$1130.00 \$  Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + \$  TOTAL FEES ENCLOSED = \$  Amount to be refunded: \$  Amount to be \$  Amount to	Total claims		16 - 20 =	0	x \$ <b>50</b>	\$			
TOTAL OF ABOVE CALCULATIONS = \$  Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.  SUBTOTAL = \$ 1130.00  Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).  TOTAL NATIONAL FEE = \$ 1130.00  Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property  TOTAL FEES ENCLOSED = \$  Amount to be refunded: \$  Am	Independent clain	ns	3 -3=	0	× \$200	\$			
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SUBTOTAL = \$ 1130.00  Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).  TOTAL NATIONAL FEE = \$ 1130.00  Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + TOTAL FEES ENCLOSED = \$  Amount to be refunded: \$ 1130.00				\$					
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Amount to be refunded:  Amount to be \$ 1130.00						\$			
refunded: \$\\ Amount to be    1130 00	TOTAL FEES ENCLOSED =					\$			
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							\$ 1130.00		

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a. A check in the amount of \$ to cover the above fees is enclosed.									
b. Please charge my Deposit Account No. <u>02-2955</u> in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed.									
c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpays Account No. <u>02-2955</u> . A duplicate copy of this sheet is enclosed.	ment to Deposit								
d. Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card information</b> be included on this form. Provide credit card information and authorization on PTO-2038.	Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038.								
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.									
and granted to restore the international Application to pending status.									
SEND ALL CORRESPONDENCE TO:									
Michael P. Morris SIGNATURE									
Boehringer Ingelheim Corporation Thomas C. Blankinship									
900 Ridgebury Road, P. O. Box 368									
Didgoffold, CT 06977 0369									
Ridgefield, CT 06877-0368 REGISTRATION NUMBER									